	Application No.	Applicant(s)
Notice of Allowability	10/621,902	CHANG ET AL.
	Examiner	Art Unit	
	Phuong-Thao Cao	2164	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *Amendment filed on 04/23/2008*.

2. ☒ The allowed claim(s) is/are *Claim 1*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
   Paper No./Mail Date _____ .

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with

Attorney Stephen A. Terrile (Reg. No. 32,946) on August 5, 2008.

The application has been amended as follows:

Claim 1 (Currently Amended)   A <u>computer-implemented</u> method for processing

names by a naming service within a data processing system, the <u>computer-implemented</u> method

comprising:

obtaining an application name that is associated with an application;

obtaining a deployment name that is associated with a deployment attribute that

characterizes a deployment of an instance of the application;

generating an application-based name for the instance of the application;

storing the application-based name for the instance of the application ~~in a computer~~

~~storage medium~~, wherein

the application-based name represents a context within a naming system;

the application-based name is a compound name that comprises the application

name and multiple deployment names associated with multiple

deployment attributes;

each of the multiple deployment attributes is a metadata value that characterizes a

manner in which the instance of the application is deployed within the data

processing system, each of the multiple deployment attributes is selected

from a group comprising

a deployment identifier, the deployment identifier being a unique

identifier associated with the deployment operation, the

deployment identifier being unique over all deployment

operations within the data processing system or unique over

all deployment operations for all instances of the

application within the data processing system;

a version identifier or an edition identifier associated with a

version of the application; and

an identifier for a deployment-associated characteristic or metric;

binding the application-based name to a data object;

relating the data object to a context for an application server; and

resolving the application-based name to a previously bound data object; and wherein

an application comprises a plurality of application modules, each module being

associated with a module name and each module being associated with an

application-based name based on its module name.

2.   The following is an examiner's statement of reasons for allowance:

The present invention is directed to method for processing names by a naming service to

generate application-based names, which are compound names including application name and

multiple deployment names, and provide an improved naming system for supporting the

installation or deployment of applications and subsequent support in an execution environment

for those applications.

The closest prior art of record, Lee et al. (US Patent No 5,745,683) teaches a Federated

Naming Framework System including a Federated Naming Service Provider Interface for four

kinds of Name Services, which includes a naming service for generating compound names, such

as a Naming or Directory service for generating names for files and directories in a file system

(see column 1, line 60 to column 2, lines 15).

However, Lee et al. fails to anticipate or render obvious the recited features of

"generating an application-based name for the instance of the application, wherein the

application-based name represents a context within a naming system; the application-based name

is a compound name that comprises the application name and multiple deployment names

associated with multiple deployment attributes", "each of the multiple deployment attributes is a

metadata value that characterizes a manner in which the instance of the application is deployed

within the data processing system, each of the multiple deployment attributes is selected from a

group comprising deployment identifier, the deployment identifier being a unique identifier

associated with the deployment operation, the deployment identifier being unique over all deployment operations within the data processing system or unique over all deployment operations for all instances of the application within the data processing system; a version identifier or an edition identifier associated with a version of the application; and an identifier for a deployment-associated characteristic or metric" and "each module being associated with an application-based name based on its module name", as in independent claim 1.

These features, together with the other limitations of the independent claim are novel and non-obvious over the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Phuong-Thao Cao whose telephone number is (571)272-2735.

The examiner can normally be reached on 8:30 AM - 5:00 PM (Mon - Fri).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Charles Rones can be reached on (571) 272-4085. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/H. T. V./
Primary Examiner, Art Unit 2163

Phuong-Thao Cao, Examiner
Art Unit 2164
August 5, 2008

/Charles Rones/

Supervisory Patent Examiner, Art Unit 2164